WEBBERS FALLS BARGE IMPACT
May 23, 2019

Society of American Military Engineers
May 19, 2020

Rodney Beard
Navigation Project Manager

"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."
May 2019
Lock 14
WD Mayo

21 May 2019: Notified Lock 14 would go underwater
22 May 2019: Suspended Operations
1 August 2019: Resumed Operations
Lock 18
Newt Graham

22 May 2019: Suspended Operations
1 August 2019: Resumed Operations
Lock 17
Chouteau

22 May 2019: Suspended Operations
12 June 2019: Resumed Operations
Lock 16
Webbers Falls

22 May 2019: Suspended Operations
23 May 2019: 11:55 am
Barges strike Lock 16
Gate No. 6
Gate No. 7
Gate No. 8
Gate No. 9
Gate No. 10
Best Guess
Barge Removal Timeline

23 May 2019 - Barges struck Lock 16
10 Aug 2019 - Salvage ops began
20 Aug 2019 - Pool drained (28 days)
27 Aug 2019 - Pulled grey barge
4 Sep 2019 - Pulled red barge
16 Sep 2019 - Raised pool
4 Oct 2019 - Found missing piece of barge
Big River Salvage Ops began 10 Aug 2019
Pool 16 Drained 20 Aug 2019 (for 28 days)
Lock 16 Drained
Grey Barge Removed on 27 Aug 2019
Red Barge Removed on 4 Sep 2019
Red Barge Removal
Concrete Repairs
Repairs cont.
Lock 16 Barge Recovery
Missing piece of barge found on 4 Oct 2019
Sand “Clean-Up”
Webbers Falls Barge Impact

2019/06/05
Webbers Falls Barge Impact
Powerhouse Stability - Uplift

- May 24th - Headwater and tailwater pool elevations were projected to exceed design elevations on May 25th-26th. Projected H.W. to exceed 503 ft. and T.W. to exceed 493 ft.

- Design Memorandums show max design headwater and tailwater were 502 ft. and 489 ft.

- Design memorandums state to flood powerhouse when pool exceeds design elevations

- Calculation made through the night and in to morning of 25th revealed powerhouse stability o.k. up to projected pool elevations
Webbers Falls Repairs
Webbers Falls Centerpost Anchorage
Webbers Falls Centerpost Anchorage
Questions?